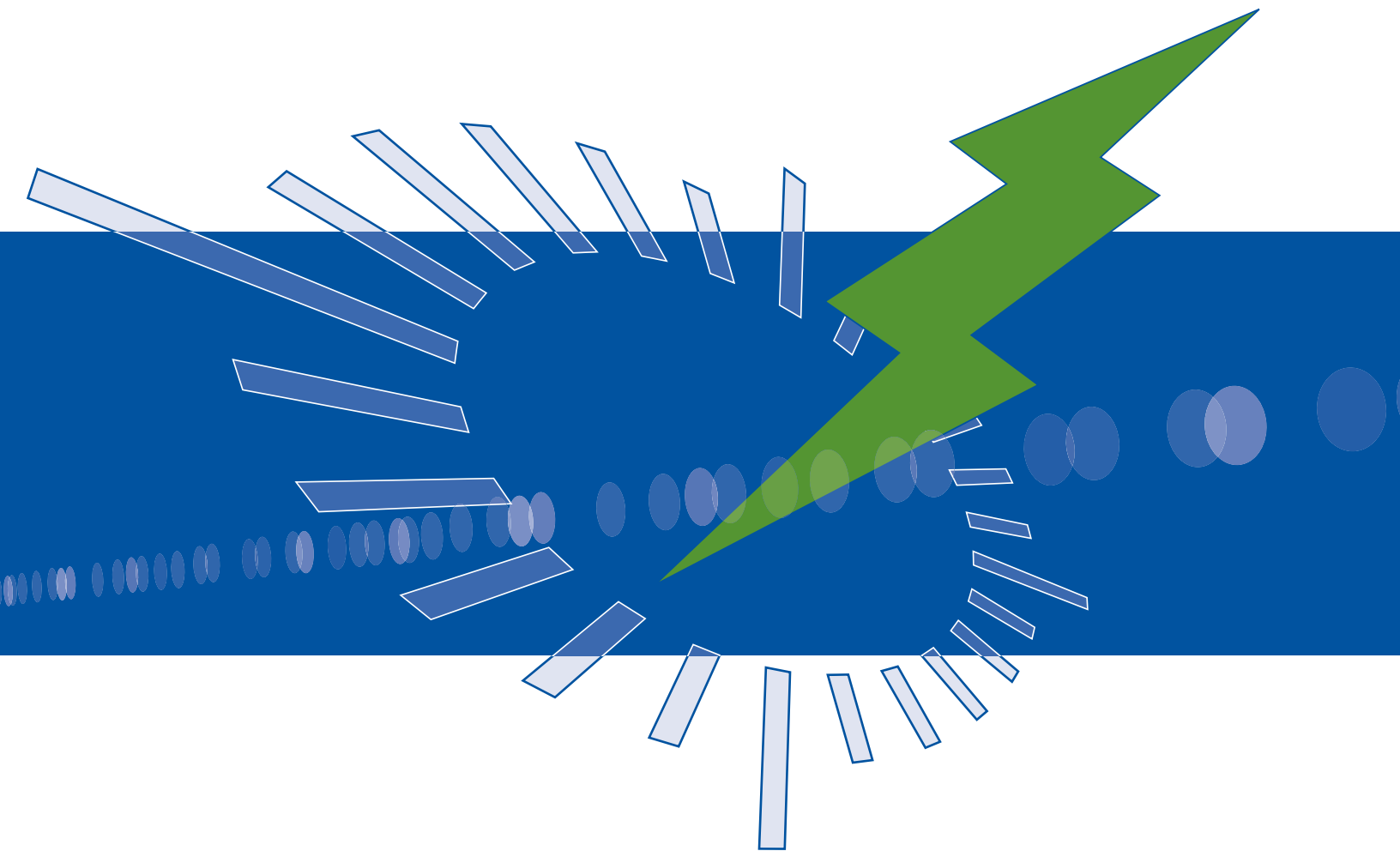# macromedia®
COLDFUSION®5

The Fastest Way to Build and Deploy Powerful Web Applications

When it comes to rapid Web application development, ColdFusion 5 is the solution you need.

Build and deploy content publishing systems, online stores, business reporting applications, self-service solutions, and more—faster and at a lower cost than you'd ever imagine.

Adopted by legions of Web developers worldwide, Macromedia® ColdFusion®5

combines an intuitive, tag-based programming language, rich development tools, and a proven Web application server to give you the fastest way to build and deploy powerful Web and wireless applications.

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COLDFUSION®5
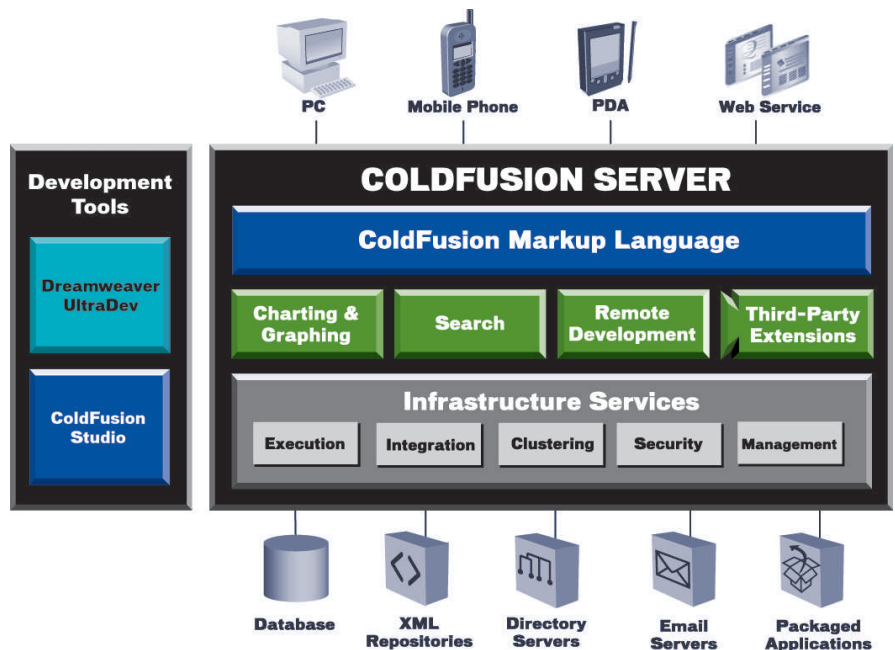### The Fastest Way to Build and Deploy Powerful Web Applications

Key Benefits

- **Build Web Applications Quickly:** ColdFusion helps dramatically accelerate your Web development projects with its intuitive tag-based language and integrated programming, database, and debugging tools.

- **Easily Assemble Powerful Solutions:** The ColdFusion open architecture allows complete integration with existing enterprise systems, and its built-in search and charting capabilities enable you to easily create engaging applications that present information in the most visually appealing formats.

- **Deliver High Performance and Reliability:** ColdFusion combines easy-to-use management tools with integrated load balancing and failover to ensure your Web applications provide enterprise-level performance and availability.

Essential ColdFusion Components

Macromedia ColdFusion combines the widely adopted ColdFusion Server with the best-in-class development tools in ColdFusion 4.5 UltraDev™4 Studio. Together, these products enable Web developers to quickly build and deploy powerful Web applications that integrate with enterprise systems and reliably deliver information in the most elegant formats.
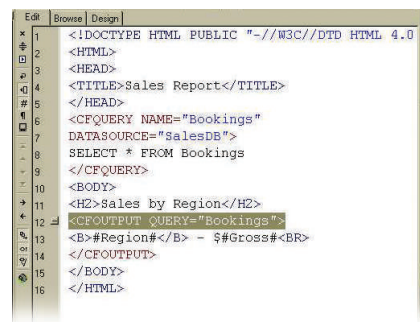
- **ColdFusion Markup Language (CFML)** is the tag-based scripting language for rapid Web development. Processed entirely on the server, CFML is easy to learn yet powerful enough to handle the most demanding Web application logic.

- **ColdFusion Application Services** include an integrated charting engine, embedded search, and remote development services. In addition, dozens of third-party technology partners have integrated their solutions with ColdFusion, including payment processing, encryption, and Web traffic analysis.

- **ColdFusion Infrastructure Services** provide high-performance execution and enterprise connectivity to power your Web applications. ColdFusion Server also includes a built-in security framework and Web-based management console.

- **Development Tools** include the powerful code-editing technology in ColdFusion Studio and the unparalleled visual development environment of Dreamweaver® UltraDev. The combined offering, ColdFusion 4.5 UltraDev 4 Studio, makes moving from prototype to production quick and easy.

ColdFusion Markup Language Hightlights

- **Intuitive, Tag-Based Scripting:** Increase your productivity with an easy-to-learn scripting language that handles low-level programming tasks automatically.
- **Integration with Web Languages:** Easily connect with Web and wireless clients built using HTML, XML, WML, Flash™, or other Web languages.
- **Built-in Forms Handling:** Automatically generate client-side validation logic and quickly process incoming HTML forms.
- **Rich Function Library:** Evaluate strings, dates, times, lists, queries, and expressions or quickly convert between different date and time formats.
- **Integration with Internet Protocols:** Create more powerful applications by leveraging email, FTP, LDAP, and other Internet protocols directly in your applications.

- **Client Independence:** Give your applications optimal exposure with full support for online devices, such as Web browsers, PDAs, pagers, mobile phones, and more.
- **Custom Tags & User-Defined Functions:** Customize your environment by creating your own reusable tags and functions to reduce maintenance or automate common tasks.
- **Powerful Data-Handling Capabilities:** Easily access and display relational data or integrate data from multiple sources with in-memory cross-data source joins.
- **Extensibility via C, C++, and Java:** Integrate with third-party application APIs or create custom tags to perform more advanced functions.
- **COM, CORBA, and EJB Connectivity:** Call third-party components or access legacy data through any of the major component standards.
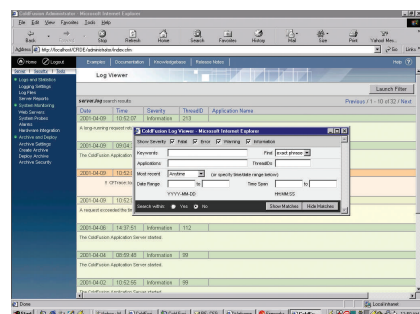
- **Structured Exception Handling:** Build applications that automatically trap and handle error messages to ensure a more seamless user experience.
- **More than 800 Third-Party Components:** Jumpstart your development with an extensive library of third-party ColdFusion Extensions stored in the ColdFusion Developer's Exchange.

ColdFusion Server Highlights

- **Complete Database Integration:** Connect to virtually any database using integrated ODBC, OLE DB, or native drivers.
- **Embedded Charting Engine:** Deliver data more effectively using any of 13 flexible business charts in either JPG or Flash format.
- **Integrated Full-Text Search:** Provide easy searching of unstructured content, including Web pages, documents, and database content.
- **Server Sandbox Security:** Protect your data and your applications by authenticating users, setting policies, and controlling resource access.
- **Integrated Load Balancing and Failover:** Ensure your applications deliver consistent performance and high availability.

- **Application Deployment Services:** Effortlessly and reliably package, deploy, archive, or restore entire applications in a single step.
- **Advanced Monitoring:** Monitor server performance and availability with customizable alerts, scriptable recovery, and built-in support for SNMP.
- **High-Performance Architecture:** Rely on multithreaded services, JIT compiler, page caching, and connection pooling to deliver optimum performance and scalability.
- **Third-Party Extensions:** Leverage dozens of integrated third-party products to provide payment processing, encryption, Web traffic analysis, and more.
- **Remote Development Services:** Browse file systems, access databases, and debug applications via HTTP– all without leaving ColdFusion Studio.

- **Web-Based Management Console:** Manage applications, servers, and clusters visually with a complete suite of server administration, monitoring, and reporting tools.
- **Enterprise Connectivity:** Integrate with all enterprise systems, technologies, and protocols, including databases, email and directory servers, legacy systems, Java, XML, and more.
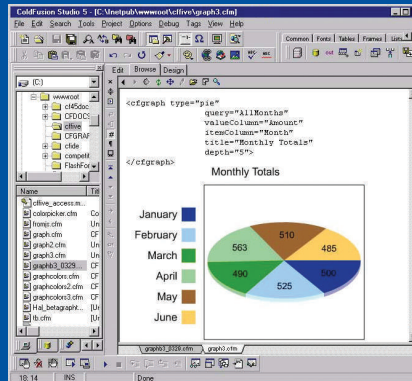
Macromedia ColdFusion 4.5 UltraDev 4 Studio

Macromedia ColdFusion 4.5 UltraDev 4 Studio partners first-class tools for ColdFusion application development—the powerful code-editing environment of ColdFusion Studio and the unparalleled visual development environment of Dreamweaver UltraDev. Develop and deploy your applications from remote locations. Organize files and assets effortlessly and integrate with version control software. Customize your work environment and add functionality with free extensions and custom tags. Enhance productivity, ensure application quality, and design sophisticated Web sites using the seamless integration between ColdFusion 4.5 UltraDev 4 Studio and ColdFusion Server 5 .
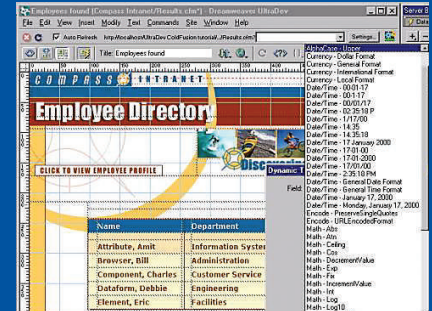
ColdFusion Studio 4.5 Features

- **Robust Code Editor:** Code efficiently with tag completion, tag insight, color coding, and collapsible code, and effortlessly create CFML, HTML, and JSP tags.
- **Database Tools:** Ease development with the drag-and-drop SQL generation in the Visual Query Builder.
- **CFML Debugger:** Quickly find and fix problems with interactive, remote debugging.

Dreamweaver UltraDev 4 Features

- **Robust Web Design Tool:** Create professional-quality pages with advanced design features from Dreamweaver, split code/design view, and integration with graphics applications.
- **Visual Application Building:** Quickly prototype applications and test user interfaces with live server-side data in the workspace.
- **Server Behavior Libraries:** Save time with predefined CFML behaviors for database updates, record set navigation, and user authentication.

System Requirements

ColdFusion 4.5 UltraDev 4 Studio
Windows
- Intel Pentium Processor or equivalent 166+ MHz
- Windows 95/98, 2000, ME, or Windows NT 4.0
- 128 MB RAM
- 215 MB hard disk space
- 256 color monitor capable of 800x600 resolution (1024x768, millions of colors recommended)
- CD-ROM drive

ColdFusion Server 5 Professional Edition*
Windows
- Intel Pentium processor or faster
- 256 MB RAM (512 MB recommended)
- 350 MB hard disk space
- Windows 98
- Windows NT 4.0 SP4
- Windows 2000

Linux
- Intel Pentium class processor or faster
- 256 MB RAM (512 MB recommended)
- 350 MB hard disk space
- Red Hat Linux 6.2, 7.0 (Personal and Professional)
- SuSE Linux 7.0 (Personal and Professional)
- Cobalt Qube, RaQ 3, 4, XTR

ColdFusion Server 5 Enterprise Edition*
Windows
- Intel Pentium processor or faster
- 256 MB RAM (512 MB recommended)
- 350 MB hard disk space
- Windows NT 4.0 SP4
- Windows 2000

Linux
- Intel Pentium class processor or faster
- 256 MB RAM (512 MB recommended)
- 350 MB hard disk space
- Red Hat Linux 6.2, 7.0 (Personal or Professional)
- SuSE Linux 7.0 (Personal or Professional)
- Cobalt Qube, RaQ 3, 4, XTR

UNIX
- 512 MB RAM (1 GB recommended)
- 350 MB hard disk space
- SPARC Solaris 2.6, 7, 8
- HP-UX 11.0

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